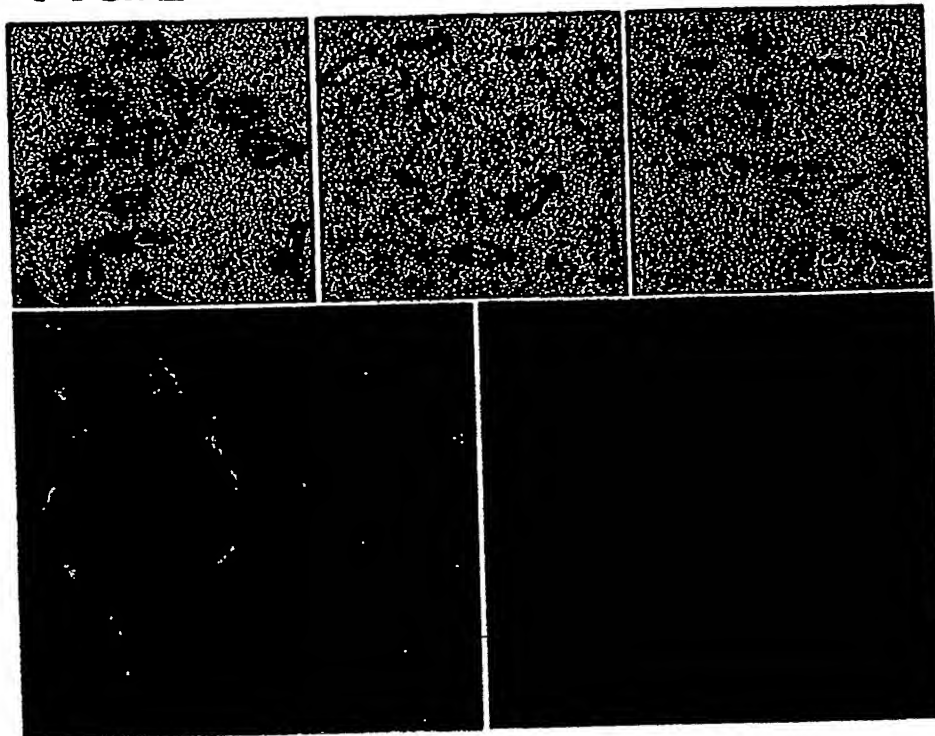
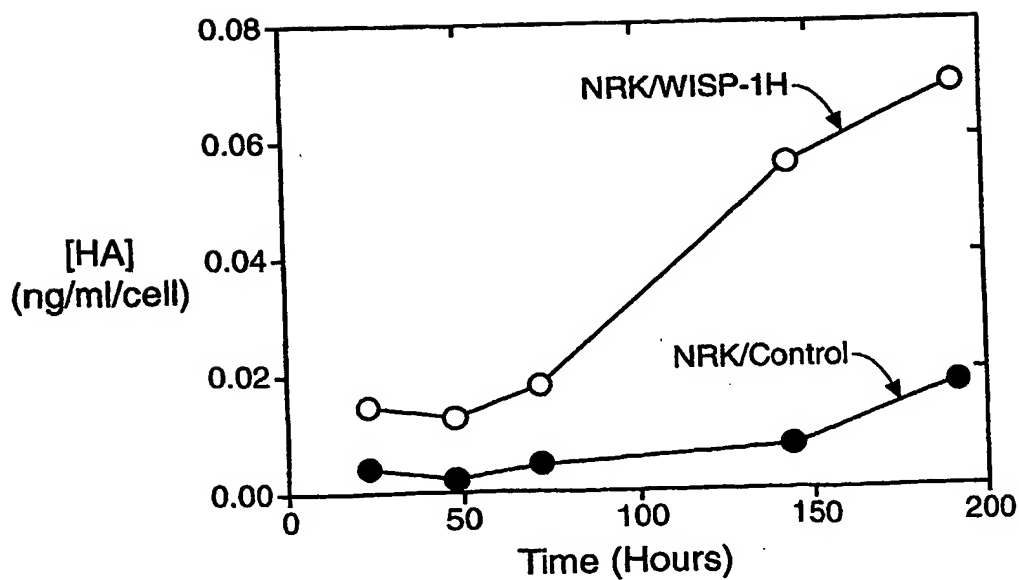


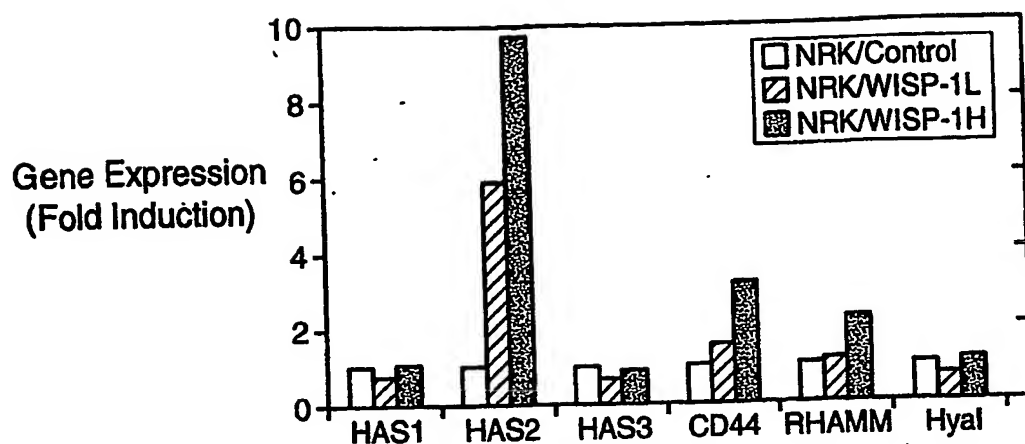
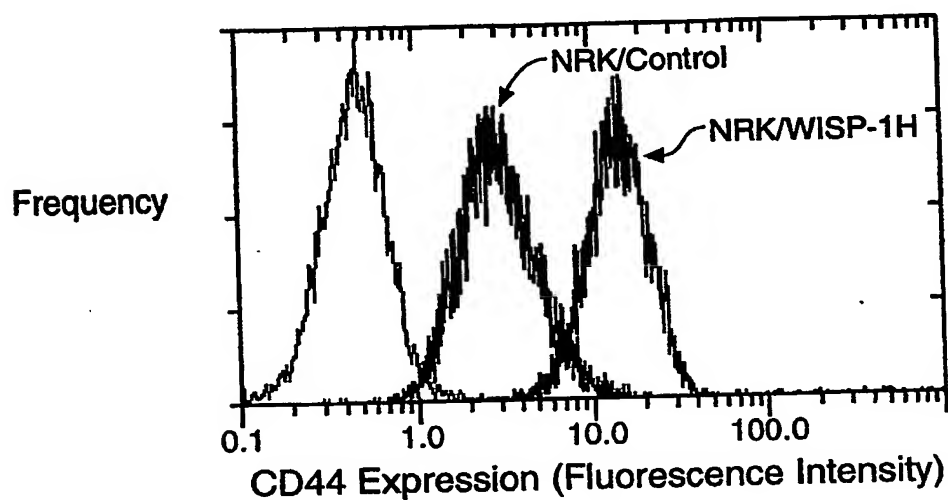
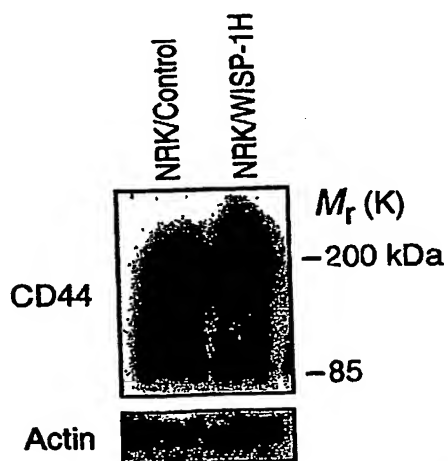
1 / 27

FIG._1A **FIG._1B** **FIG._1C****FIG._1D****FIG._1E****FIG._1F**

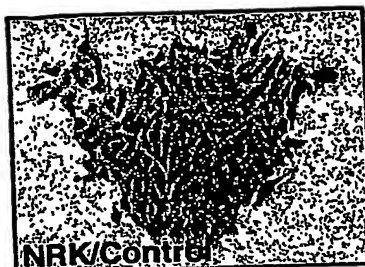
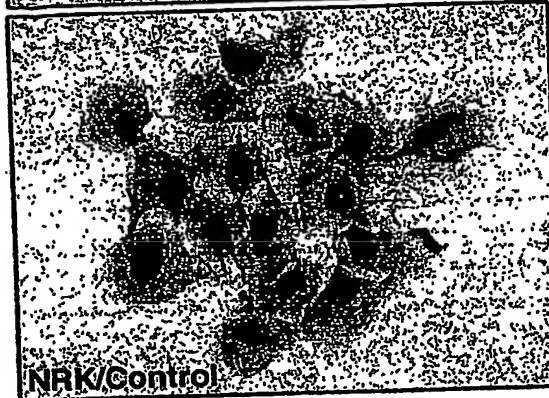
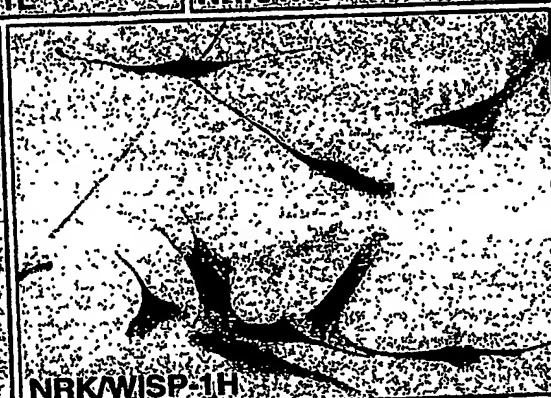
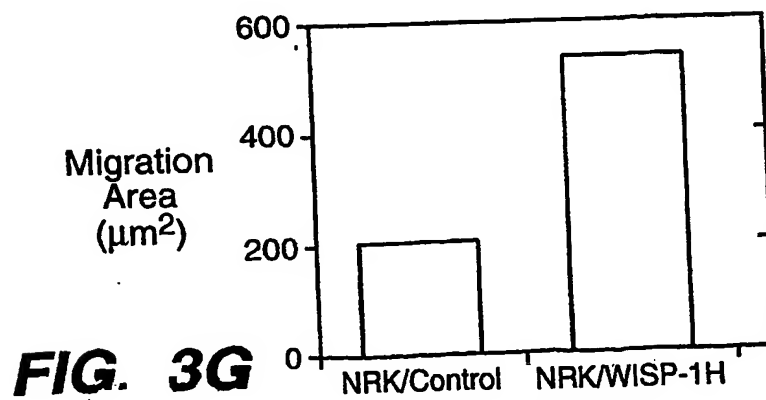
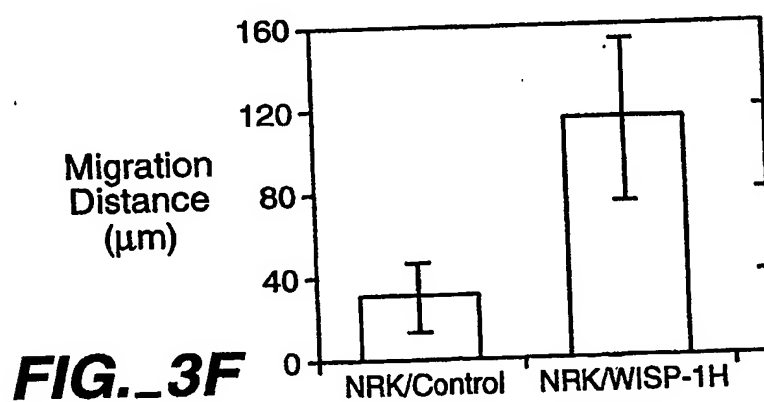
BEST AVAILABLE COPY

SUBSTITUTE SHEET (RULE 26)

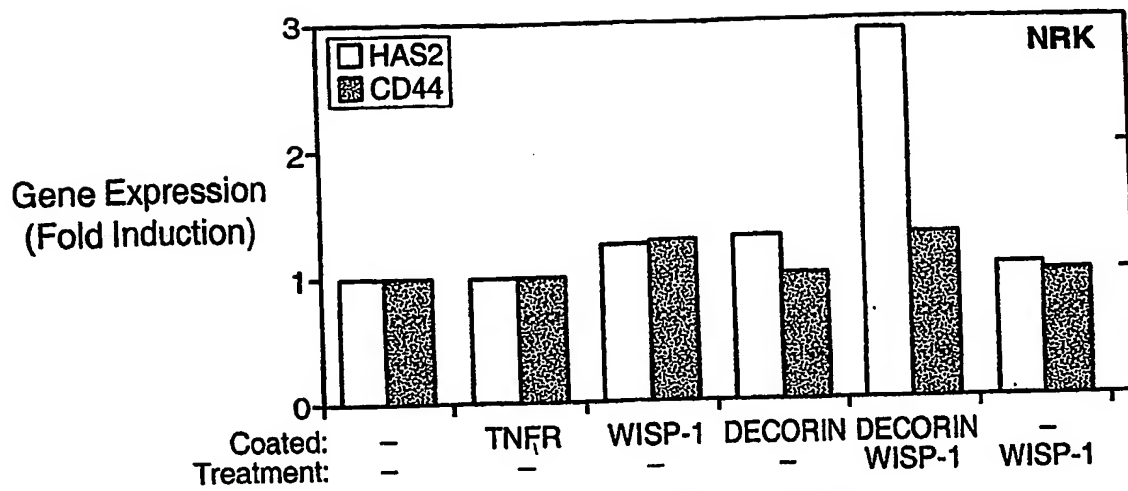
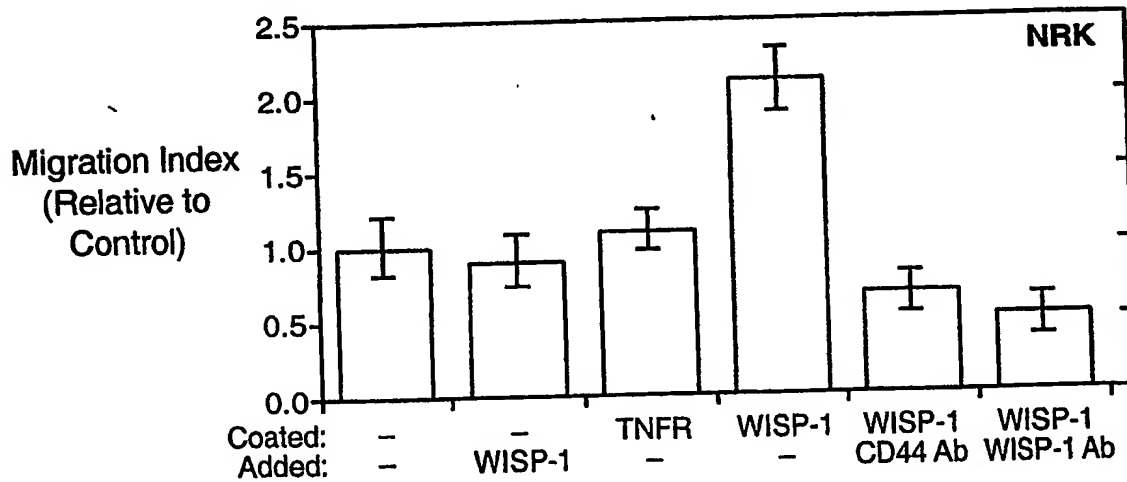
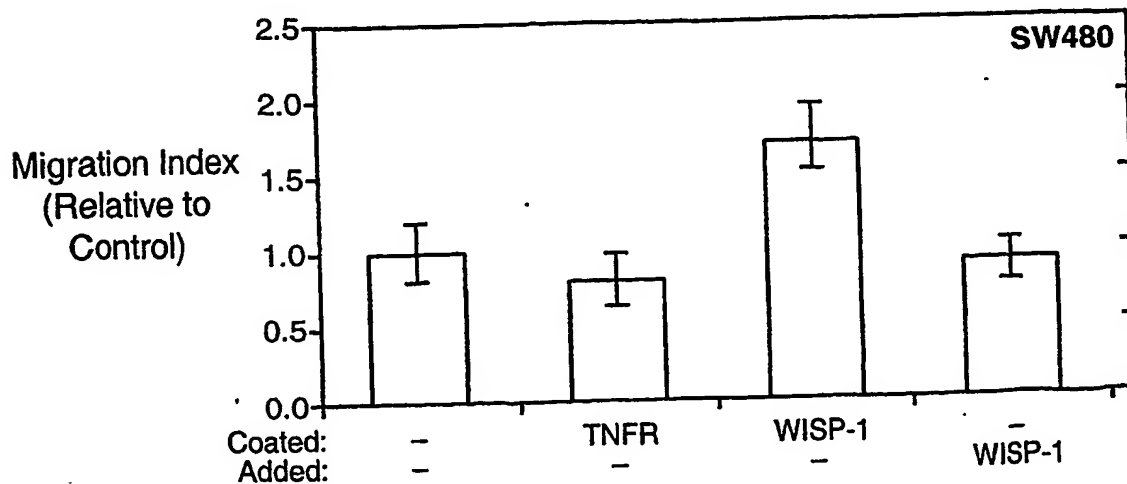
2 / 27

**FIG. 2A****FIG. 2B****FIG. 2C**

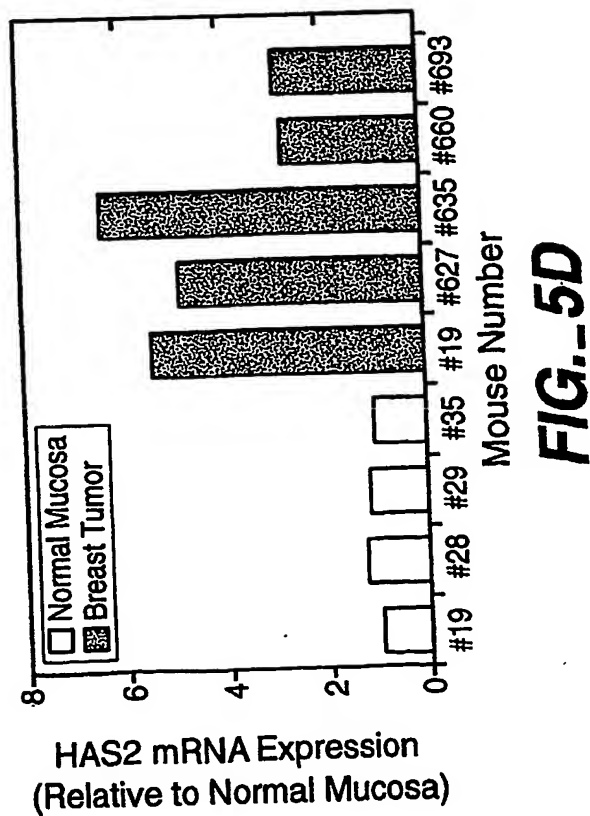
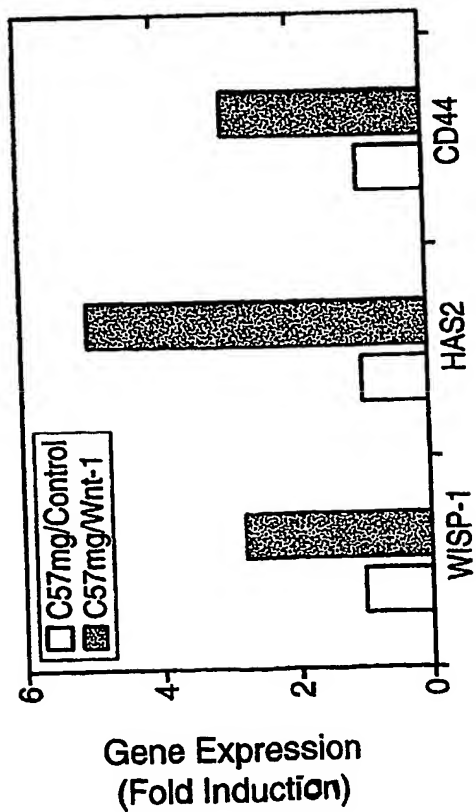
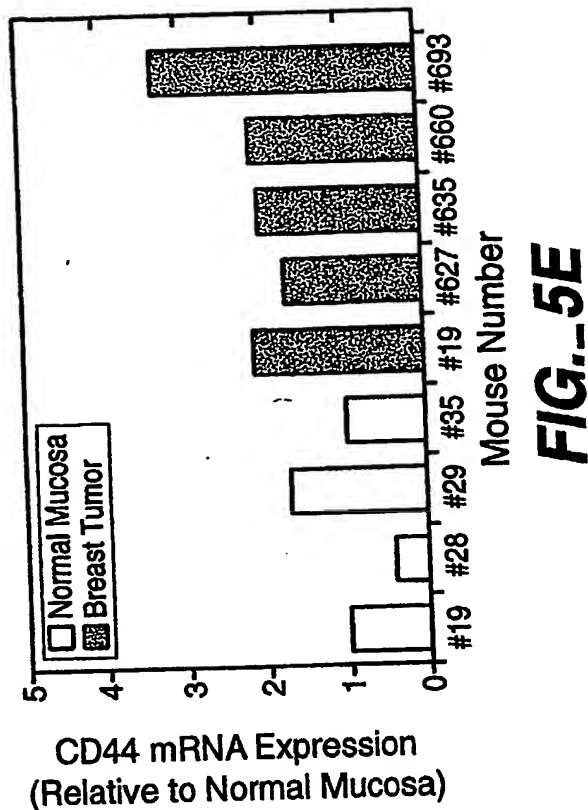
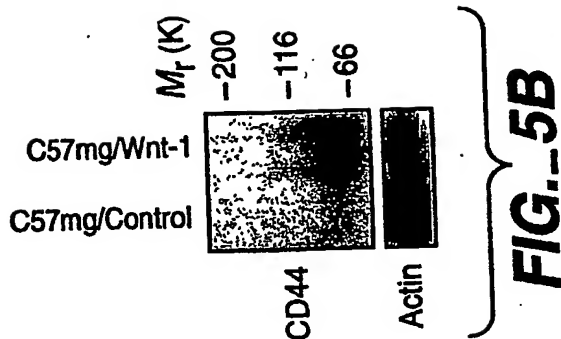
3 / 27

FIG._3A**FIG._3B****FIG._3C****FIG._3D****FIG._3E**

4 / 27

**FIG._4A****FIG._4B****FIG._4C**

5 / 27



6 / 27

FIG._6A

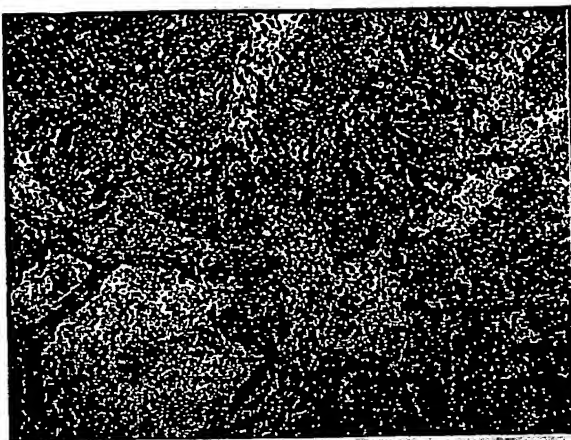


FIG._6B

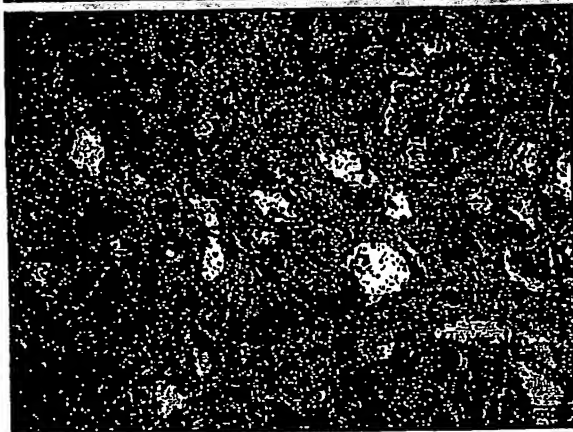


FIG._6C

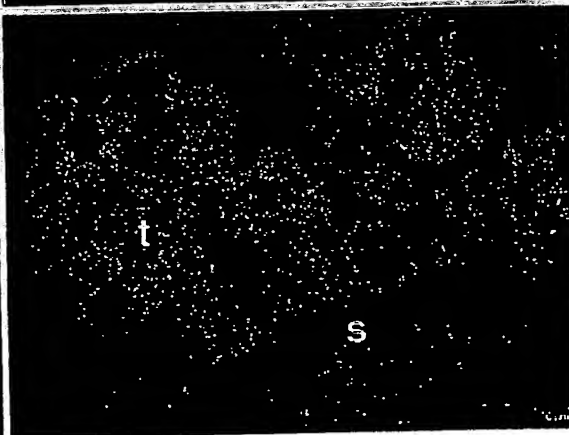
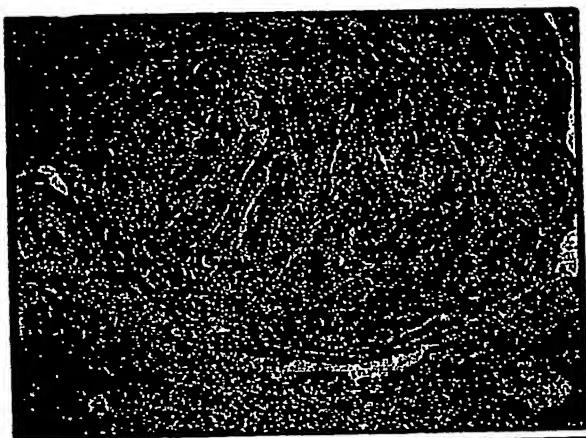
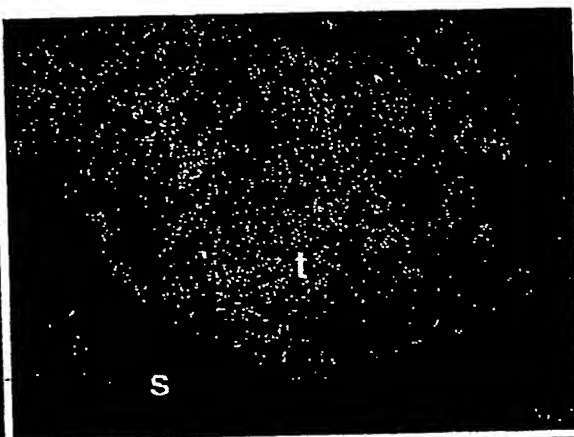
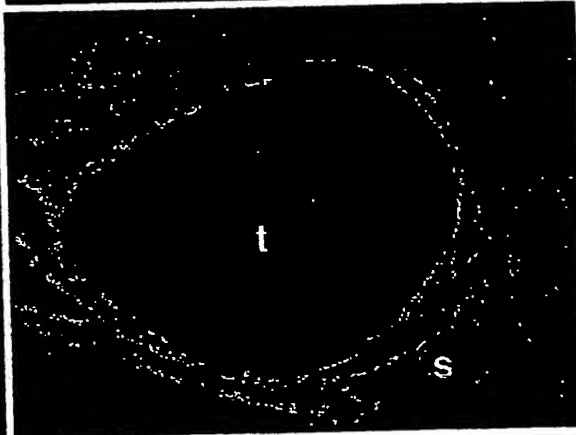
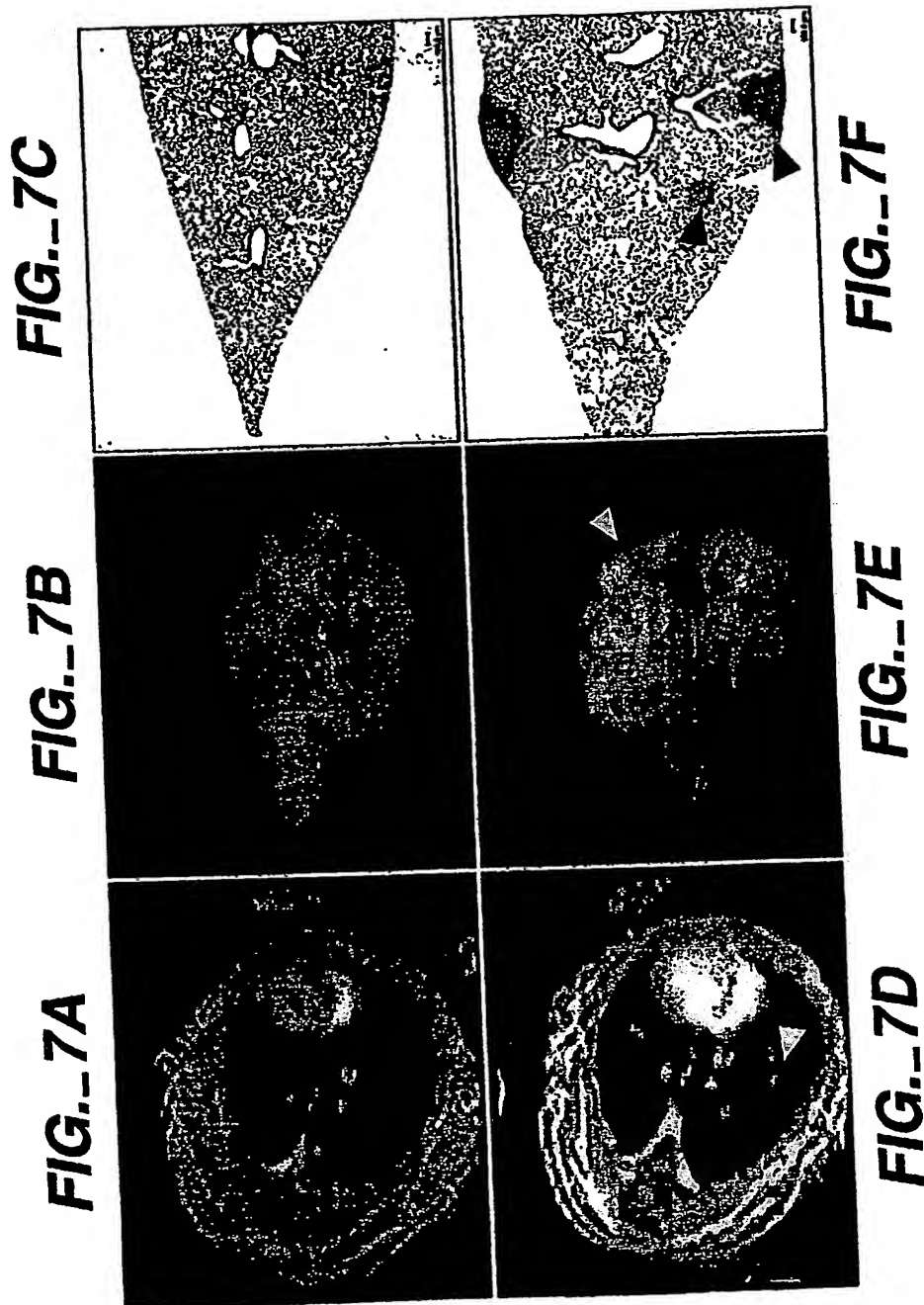


FIG._6D

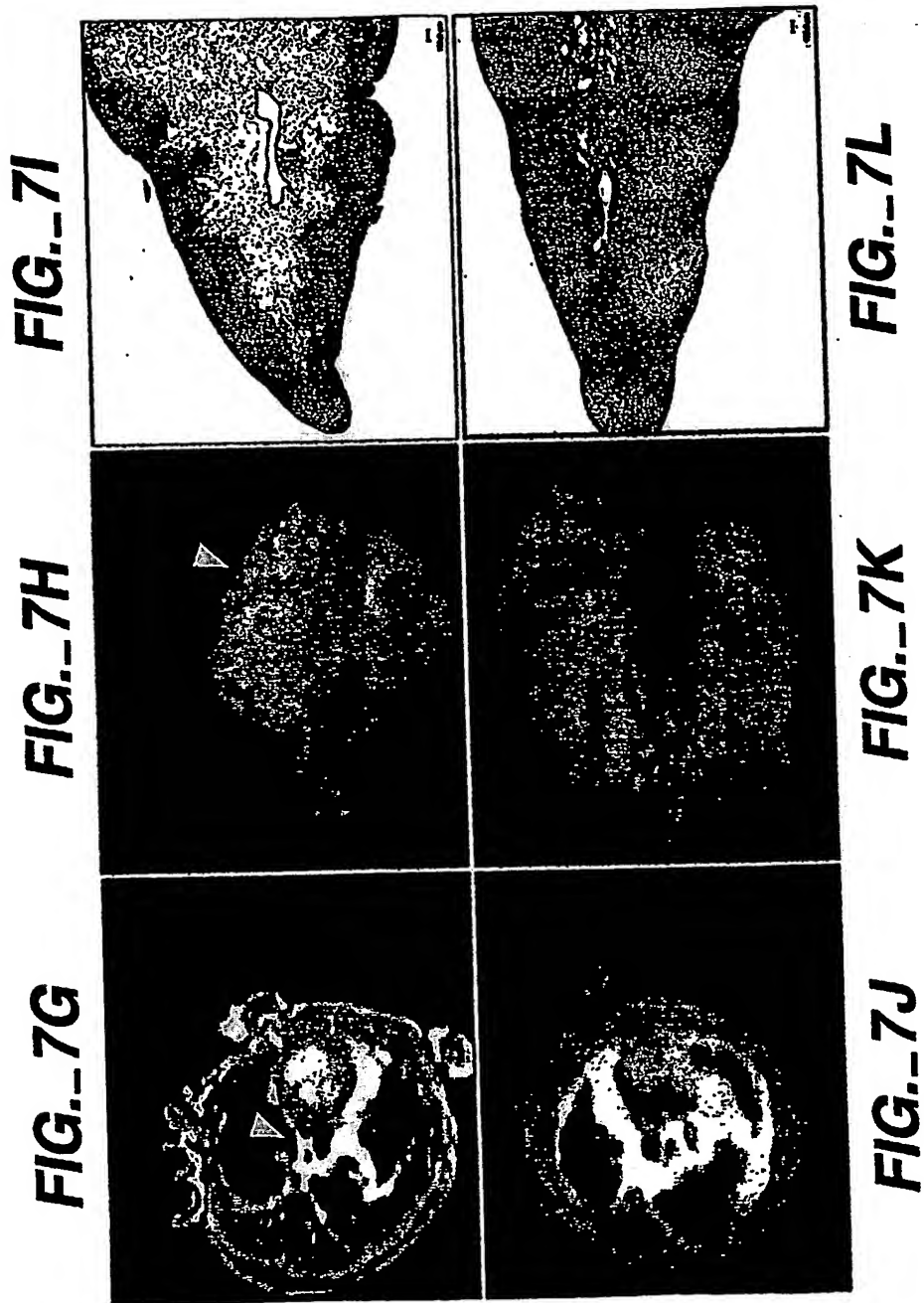
7/27

FIG._6E**FIG._6F****FIG._6G****FIG._6H**

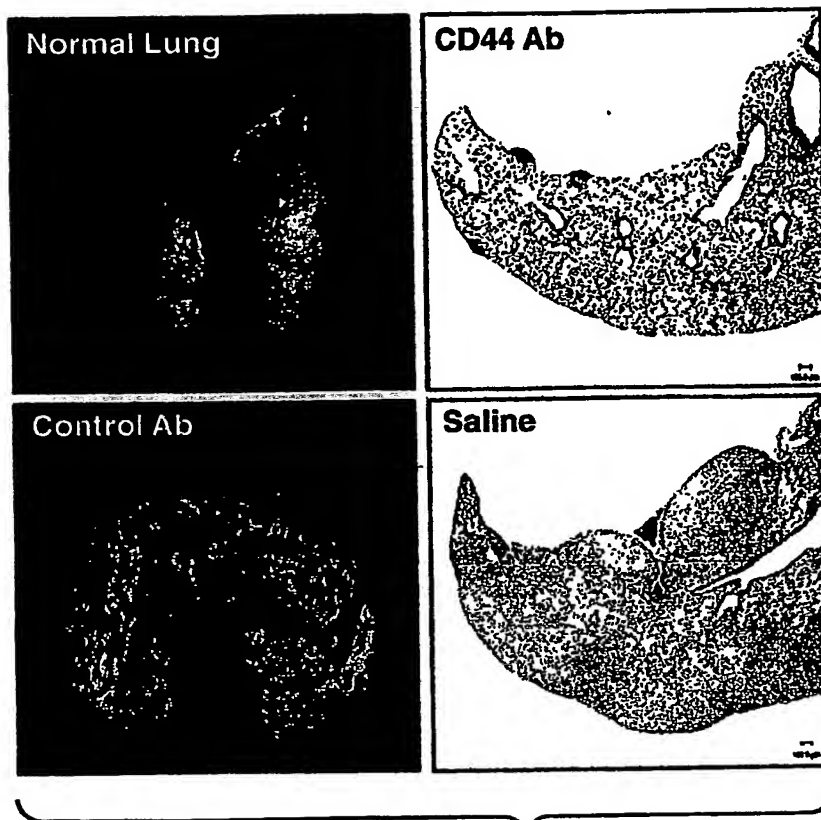
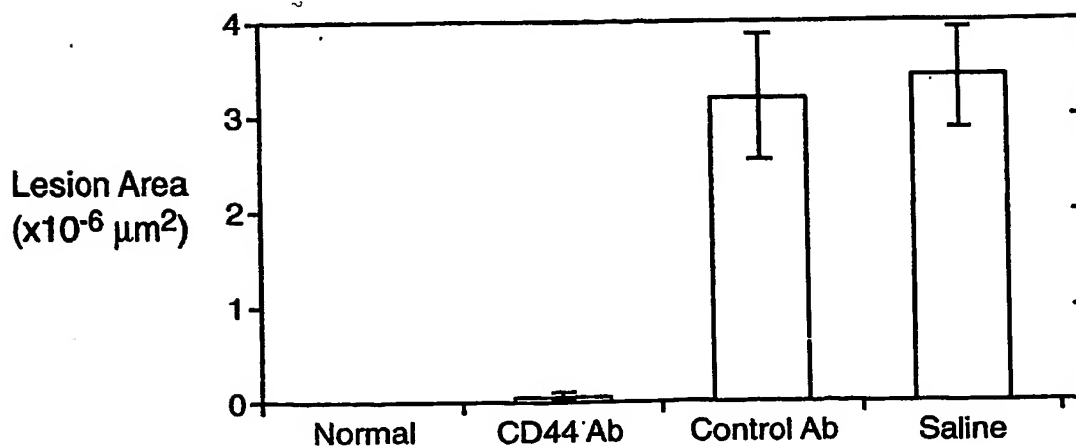
8 / 27



9 / 27



10 / 27

**FIG. 8A****FIG. 8B**

11/27

1 CCCACGGGTC CGCTGGGCCC AGTCCCCCG AGAGTGGTC GGATCTCTG GGTGCTCGG TCGATGCTG TGCCACTGAC GTCCAGGCAT GAGGTGGTTC
 GGGTGGCAG GCGACCCGGG TCGAGGGGGC TCCTCCACCAG CCTAGGAGAC CCGACGAGCC AGCTACGGAC ACGGTGACTG CAGGTCCGTA CTCCACCAAG
 M R W F
 101 CTGCCCTGGA CGCTGGCAGC AGTGACAGCA GCAGCGGCCA GCACGTCCTT GGGCACGGCC CTCTCTCCAG CCCCTACGAC CATGGACTTT ACTCCAGCTC
 GACGGGACCT GCGACCGTCG TCACTGTCTGT CGTCGGGGT CGTGGCAGGA CCGTGGCCG GAGAGAGTC GGGATGCTG GTACCTGAAA TGAGGTGCGAG
 5 L P W T L A A V T A A A A S T V L A T A L S P A P T T M D F T P A P
 201 CACTGGAGGA CACCTCCTCA CGCCCCCAAT TCTGCAAGTG GCCATGTGAG TGCCCGCCAT CCCACCCCG CTGCCCCGCTG GGGTCCAGCC TCATCACAGA
 GTGACCTCCT GTGGAGGAGT GCGGGGGTTA AGACGTTTAC CGGTACATC ACGGGCGGTA GGGTGGGC GACGGCGGAC CCCAGTCCG AGTAGTGTCT
 39 L E D T S S R P Q F C K W P C E C P P S P P R C P L G V S L I T D
 301 TGCTGTGAG TGCTGTAAGA TGTGCGCTCA GCAGCTTGG GACAACTGCA CGGAGGCTGC CATCTGTGAC CCCACCGGG GCCTCTACTG TGACTACAGC
 ACCGACACTC ACGACATCTT ACACGGGAGT CGTCGAACCC CTGTTGACGT GCCTCCGACG GTAGACACTG GGGTGGCCC CGGAGATGAC ACTGATGTG
 72 G C E C C K M C A Q Q L G D N C T E A A I C D P H R G L Y C D Y S
 401 GGGGACCGCC CGAGGTACGC AATAGGAGTG TGTGCACAGG TGGTGGTGT GGGTGGCTC CTGATGGGG TGGCTACAA CAACGGCCAG TCCTTCCAGC
 CCGCTGGCG GCTCCATGCG TTATCTCTAC ACACGTGTCC ACCAGCCACA CCGACGCGAG GACCTACCCC ACGGATGTT GTTGGCCGTC AGGAAGGTG
 105 G D R P R Y A I G V C A Q V V G V G C V L D G V R Y N N G Q S F Q P
 501 CTAACGTCAA GTACAACCTGC ACGTGCATCG ACGGCGCGGT GGGTGCACA CCACTGTGCC TCCGAGTGGC CCCCCCGGT CTCTGTGTC CCCACCCGCG
 GATTGACGTT CATGTTGACG TGCACGTAGC TGCCCGGCCA CCGACGTTGT GGTGACACGG AGGTTCACGC GGGGGCGCA GAGACCACGG GGGTGGGCGC
 139 N C K Y N C T C I D G A V G C T P L C L R V R P P R L W C P H P R
 601 GCGGTGAGC ATACCTGGCC ACTGTGTGA GCAGTGGTA TGTGAGGAGC ACGCCCAAG GCCACGCAAG ACCGACCCC GTGACACAGG AGCCTTCGAT
 CCGGCACTCG TATGGACCGG TGACGACACT CGTACCCAT ACATCTCTGC TCGGTTCTC CGGTGCGTTC TGGCGTGGG CACTGTGTC TCGGAAGCTA
 172 R V S I P G H C C E Q W V C E D D A K R P R K T A P R D T G A F D
 701 GCTGTGGTG AGGTGGAGGC ATGGCAGG AACTGCATAG CCTACACAG CCCCTGGAGC CCTTGTCCA CCAGTGGCG CCTGGGGGTG TCCACTCGGA
 CCGACCCAC TCCACCTCCG TACCGTGTCC TTGACGTATC GGATGTGTT GGGGACCTCG GGAACGAGGT GGTGACGCC GAGCCCCCAG AGGTGAGCTT
 205 A V G E V E A W H R N C I A Y T S P W S P C S T S C G L G V S T R I
 801 TCTCCAATGT TAACGCCAG TGCTGGCTG AGCAAGAGAG CCGCCTCTGC AACTTGGGC CATGGATGT GGACATCCAT ACATCATTA AGGCAGGGA
 AGAGGTACA ATTGGGGTTC ACGACCGGAC TCGTCTCTC GCGGGAGACG TTGAACGCC GTACGTACA CCTGTAGGTA TGTGAGTAAT TCCGTCCCTT
 239 S N V N A Q C W P E Q E S R L C N L R P C D V D I H T L I K A G K

FIG. 9A

901 GAAGTGTCTG GCTGTGTACC AGCCAGAGGC ATCCATGAAC TTCACACTTG CGGGCTGCAT CAGCAGCGC TCCTATCAAC CCAAGTACTG TGGAGTTTGC
 CTTACACAGAC CGACACATGG TCGGTCTCCG TAGGTACTTG AAGTGTGAAC GCCCGACGTA GTCTGTGCGG AGGATAGTTG GGTTCATGAC ACCTCAAAACG
 272 K C L A V Y Q . P E A S M N F T L A G C I S T R S Y Q P K Y C G V C
 1001 ATGGACAATA GGTGCTGCAT CCCCTACAAG TCTAAGACTA TCGACGTGTC CTTCCAGTGT CCTGATGGGC TTGGCTTCTC CCGCCAGGTC CTATGGATTGA
 TACCTGTTAT CCACGACGTA GGGGATGTTT AGATTCTGAT AGCTGCACAG GAAGGTACAG GGAATACCCG AACCGAAGAG GCGGTGCCAG GATACCTAAT
 305 M D N R C C I P Y K S K T I D V S F Q C P D G L G F S R Q V L W I N
 1101 ATGCCTGCTT CTGTAACCTG AGCTGTAGGA ATCCCAATGA CATCTTTGCT GACTTGGAT CCTACCTGA CTCTCAGAA ATTGCCAACT AGGCAGGCAC
 TACGGACGAA GACATTGGAC TCGACATCCT TAGGGTTACT GTAGAAACGA CTGAACCTTA GGAATGGACT GAAGAGTCTT TAACGGTTGA TCCGTCCGTG
 339 A C F C N L S C R N P N D I F A D L E S Y P D F S E I A N O
 1201 AAATCTGGG TCTTGGGAC TAACCCATG CCTGTGAAGC AGTCAGCCCT TATGGCCAAT AACTTTTCAC CAATGAGCCT TAGTTACCCCT GATCTGGACC
 TTTAGAACCC AGAACCCCTG ATTGGGTTAC GGACACTTCG TCAGTCGGGA ATACCGGTTA TTGAAAAGTG GTTACTCGGA ATCAATGGGA CTAGACCTGG
 1301 CTTGGCCTCC ATTTCTGTCT CTAACCATTC AAATGACGCC TGATGGTGTCT GCTCAGGCCCT ATGCTATGAG TTTTCTCTCTT GATATCATTC AGCATCTACT
 GAACCGGAGG TAAAGACAGA GATTGGTAAG TTACTGCGG ACTACCACGA CGAGTCCGGG TACGATCTC AAAAGAGGAA CTATAGTAAG TCGTAGATGA
 1401 CTAAGAAAA ATGCCGTGTCT CTAGCTGTTT TGGACTACAC CCAAGCCTTG TCCAGCCTTT CCAAGTCACT AGAAGTCTCTG CTGGATCTTG CCTAAATCCC
 GATTCTTTTT TACGGACAGA GATCGACAAG ACCTGATGTG GGTTCGGACT AGTTCGAAA GGTTCAGTGA TCCTCAGGAC GACCTAGAAC GGATTTAGGG
 1501 AAGAAATGGA ATCAGGTAGA CTTTAAATAT CACTAATTTT TTCTTTAGAT GCCAAACCAC AAGACTCTTT GGGTCCATTC AGATGAATAG ATGGAATTTG
 TTCTTTACCT TAGTCCATCT GAAAATATA GTGATTAAAG AAGAAATCTA CCGTTTGGTG TTCTGAGAAA CCCAGGTAAG TCTACTTATC TACCTTAAAC
 1601 GAACAATAGA ATAATCTATT ATTTGGAGCC TGCCCAAGAG TACTGTAATG GGTAAATCTG AGTCAGCGC ACCAAAATA TCCTGATTCC AAATATGTAT
 CTTGTTATCT TATTAGATAA TAAACCTCGG ACGTTCTCC ATGACATTAC CCATTAAAG TGCAGTCGCG TGGTTTGTAT AGGACTAAGG TTTTATACATA
 1701 GCACCTCAAG GTCAATCAAC ATTTGCCAAG TGAGTTGAAT AGTTGCTTAA TTTTGATTTT TAATGGAAG TTGTATCCAT TAACCTGGGC ATTGTTGAGG
 CGTGGAGTTC CAGTAGTTTG TAAACGGTTC ACTCAACITTA TCAACGAATT AAAACTAAA ATTACCTTTC AACATAGGTA ATTGGACCCG TAACAACCTC
 1801 TTAAGTTTCT CTTACACCCCT ACACGTGTGA GGTACAGAT TAGGTTGTG CCAGTCAGAA ATAAAATTTG ATAAACATTC CTGTTGATGG GAAAAGCCCC
 AATTCAAAGA GAAGTGGGGA TGTGACACTT CCCATGTCTA ATCCAAACAG GGTGAGTCTT TATTTTAAAC TATTTGTAAG GACAACATAC CTTTTCGGGG
 1901 CAGTTAATAC TCCAGAGACA GGGAAAGGTC AGCCCATTTT AGRAGGACCA ATTGACTCTC ACACCTGAATC AGCTGCTGAC TGGCAGGGCT TTGGGCAGTT
 GTCAATTATG AGGTCTCTGT CCCTTTCCAG TCGGTAAGAG TCTTCTCTGGT TAACTGAGAG TGTGACTTAG TCGACGACTG ACCGTCCCGA AACCCGTCAA

FIG. 9B

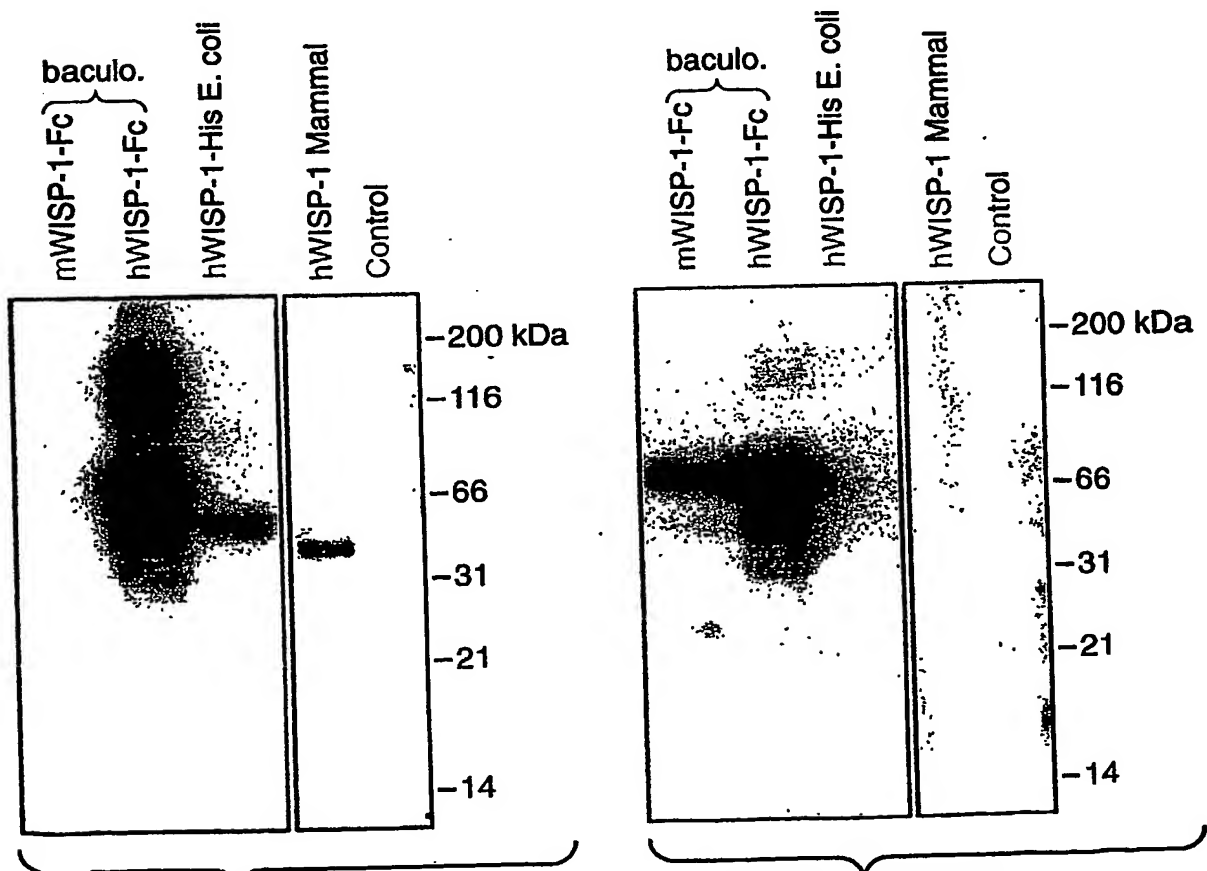
13/27

2001 GGCACGGCTC TTCCCTTGAAT CTTCTCCCTT GTCTGCTTG GGTTCATAGG AATTGGTAAG GCCTCTGGAC TGGCCTGTCT GGGCCCTGAG AGTGGTGCCC
CCGGTCCGAG AAGGAACCTTA GAAGAGGAA CAGGACGAAC CCAAGTATCC TTAACCATTC CGAGACCTG ACCGGACAGA CCGGGGACTC TCACCACGGG
2101 TGGAACTAC TCCTACTCTT ACAGAGCCTT GAGAGACCCA GCTGCAGACC ATGCCAGACC CACTGAATG ACCAAGACAG GTTCAGGTAG GGGTGTGGT
ACCTTGTGAG GAGATGAGAA TGCTCGGAA CTCTCTGGT CGACGTCTGG TACGGTCTGG GTGACTTTAC TGGTCTGTG CAAGTCCATC CCCACACCCA
2201 CAAACCAAGA AGTGGGTGCC CTTGGTAGCA GCCTGGGTG ACCTCTAGAG CTGGAGGCTG TGGGACTCCA GGGGCCCCG GTTTCAGGAC ACATCTATTG
GTTTGGTCT TCACCCACGG GAACCATCGT CGGACCCAC TGGAGATCTC GACCTCCGAC ACCCTGAGT CCCCGGGGC ACAAGTCCTG TGTAGATAAC
2301 CAGAGACTCA TTTCACAGCC TTTCTGCTTG CTGACCAAAAT GGCCAGTTTT CTGGTAGGAA GATGGAGGTT TACCAGTTGT TTAGAAACAG AAATAGACTT
GTCTCTGAGT AAAGTGTCGG AAAGCAAGAC GACTGGTTTA CCGGTCAAAA GACCATCCTT CTACCTCCAA ATGCTCAACA AATCTTTGTC TTTATCTGAA
2401 AATAAAGGTT TAAAGCTGAA GAGGTTGAAG CTAAAAGGAA AAGGTTGTTG TTAATGAATA TCAGGCTATT ATTTATTGTA TTAGGAAAAT ATAATATTTA
TTATTTCCAA ATTTGACTT CTCCAACCTC GATTTTCCCT TTCCAACAAC AATTACTTAT AGTCCGATAA TAAATAACAT AATCCTTTTA TATTATAAAT
2501 CTGTTAGAAT TCTTTTATTT AGGGCCTTTT CTGTGCCAGA CATTGCTCTC AGTGCTTTC ATGTATTAGC TCACTGAATC TTCACGACAA TGTGAGAG
GACAATCTTA AGAAATATAA TCCCGGAAAA GACACGGTCT GTAACGAGAG TCACGAAACG TACATAATCG AGTCACTTAG AAGTGTCTGT ACAACTCTTC
2601 TTCCCATAT TATTCTCTT TATTCTCTT CTTACAAATG TGAAACGGAA GCTCATAGAG GTGAGAAAAAC TCAACACAGAG TCACCCAGTT GGTGACTGGG AAAGTTAGGA
AAGGGTAATA ATAAAGACAA GAATGTTTAC ACTTTGCCCT CGAGTATCTC CACTCTTTTG AGTTGGTCTC AGTGGGTCAA CCACGTGACC TTTCATCTCT
2701 TTCAGATCGA AATTGGACTG TCTTTATAAC CCATATTTTC CCCTGTTTT TAGAGCTTCC AATGTGTCA GAATAGGAAA ACATTCGAAT AAATGGCTTG
AAGTCTAGCT TTAACCTGAC AGAAATATTG GGTATAAAG GGGGACAAAA ATCTGAAAGG TTTACACAGT CTTATCTCTT TGTAAACGTTA TTTACCGAAC
2801 ATTTTATAA AAAAAAAAAA AAAAAAAAAA
TAAAAAATTT TTTTTTTTTT TTTTTTTTTT

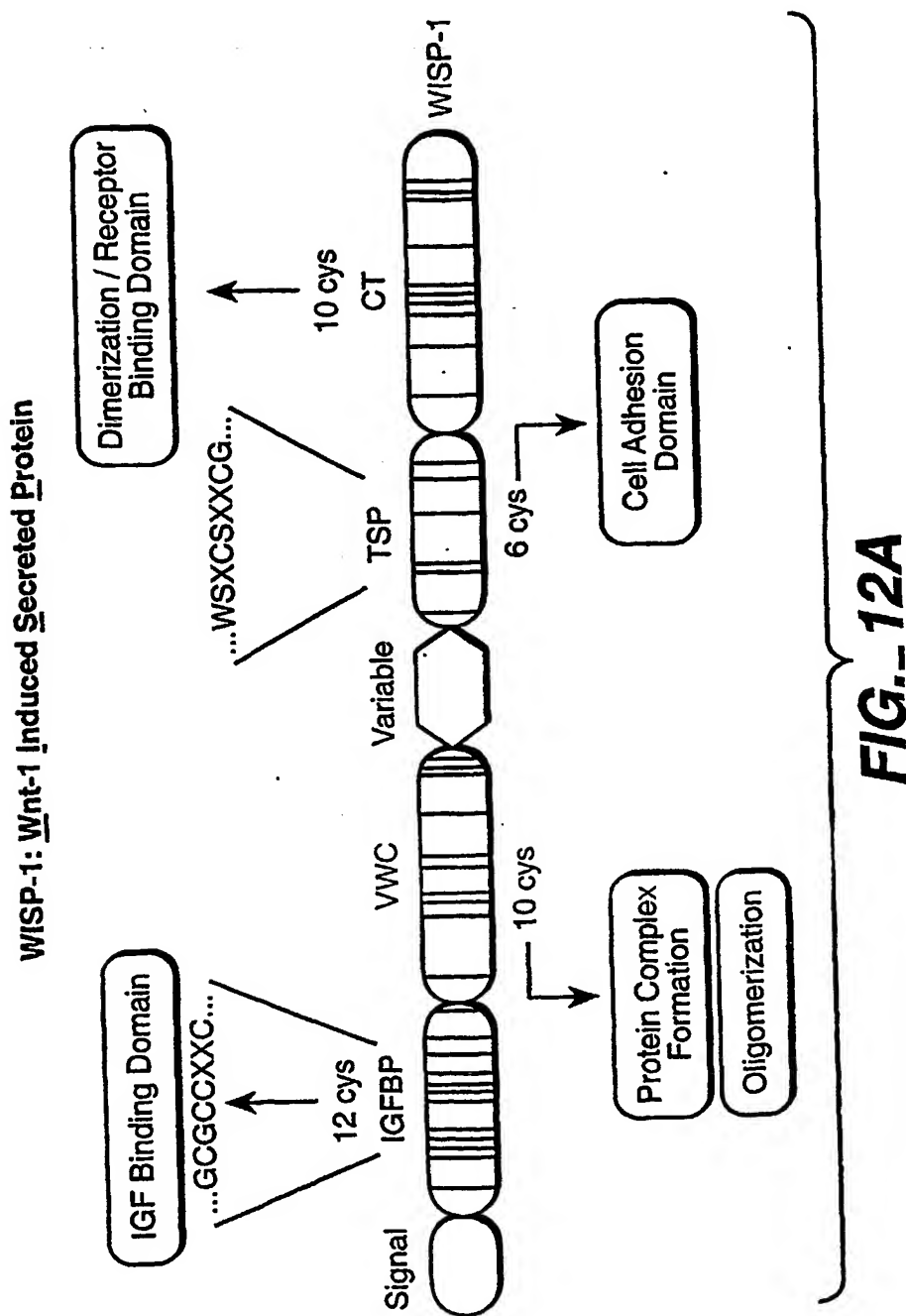
FIG.-9C

14 / 27

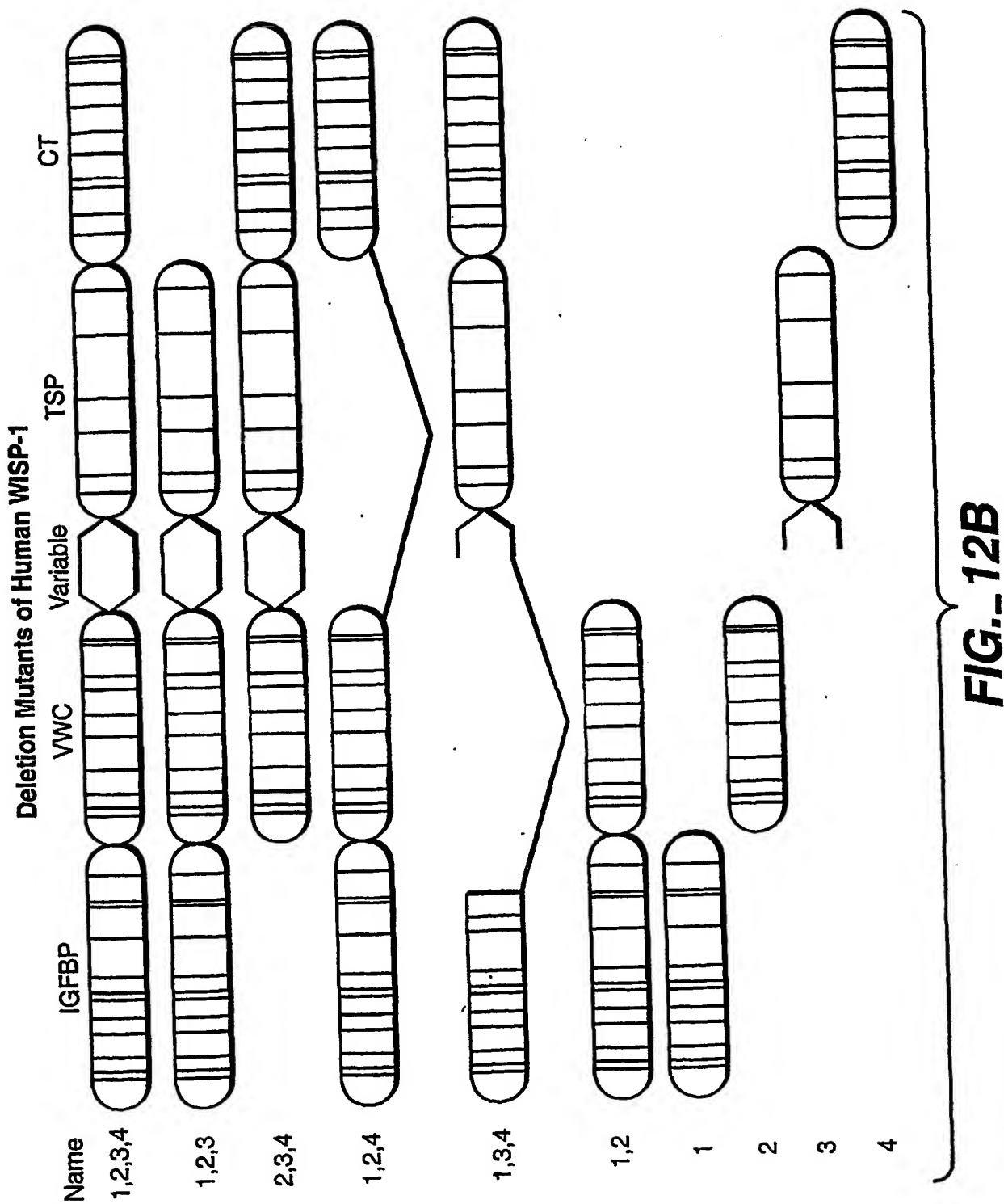
Effect of WISP-1 Expression on NRK Metastatic Potential				
No. Cells Injected	Weeks after Innoculation	Incidence of Lung Metastasis		
		NRK/Control	NRK/WISP-1L	NRK/WISP-1H
2.5×10^5	2	0/1	0/1	2/2 (Grade I)
	3	0/4	3/3 (Grade I)	4/4 (Grade I-II)
	4	0/4	4/4 (Grade I)	3/3 (Grade III)
0.5×10^5	2	0/2	0/2	1/2 (Grade I)
	3	0/4	2/4 (Grade I)	3/4 (Grade I)
	4	0/4	4/4 (Grade I)	3/4 (Grade I-II)

FIG. 10**FIG. 11A****FIG. 11B**

15 / 27



16 / 27



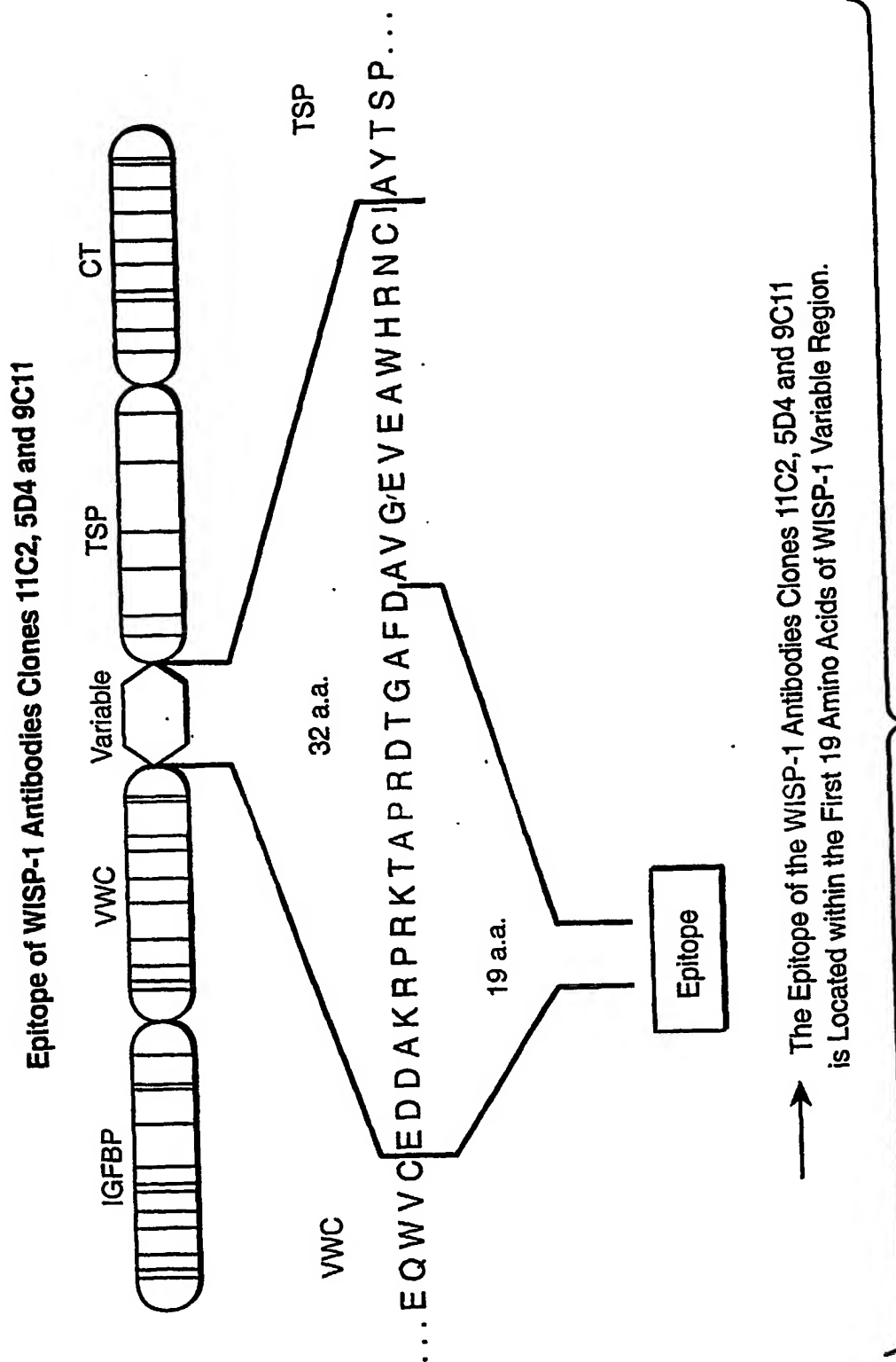


FIG. 12C

18 / 27

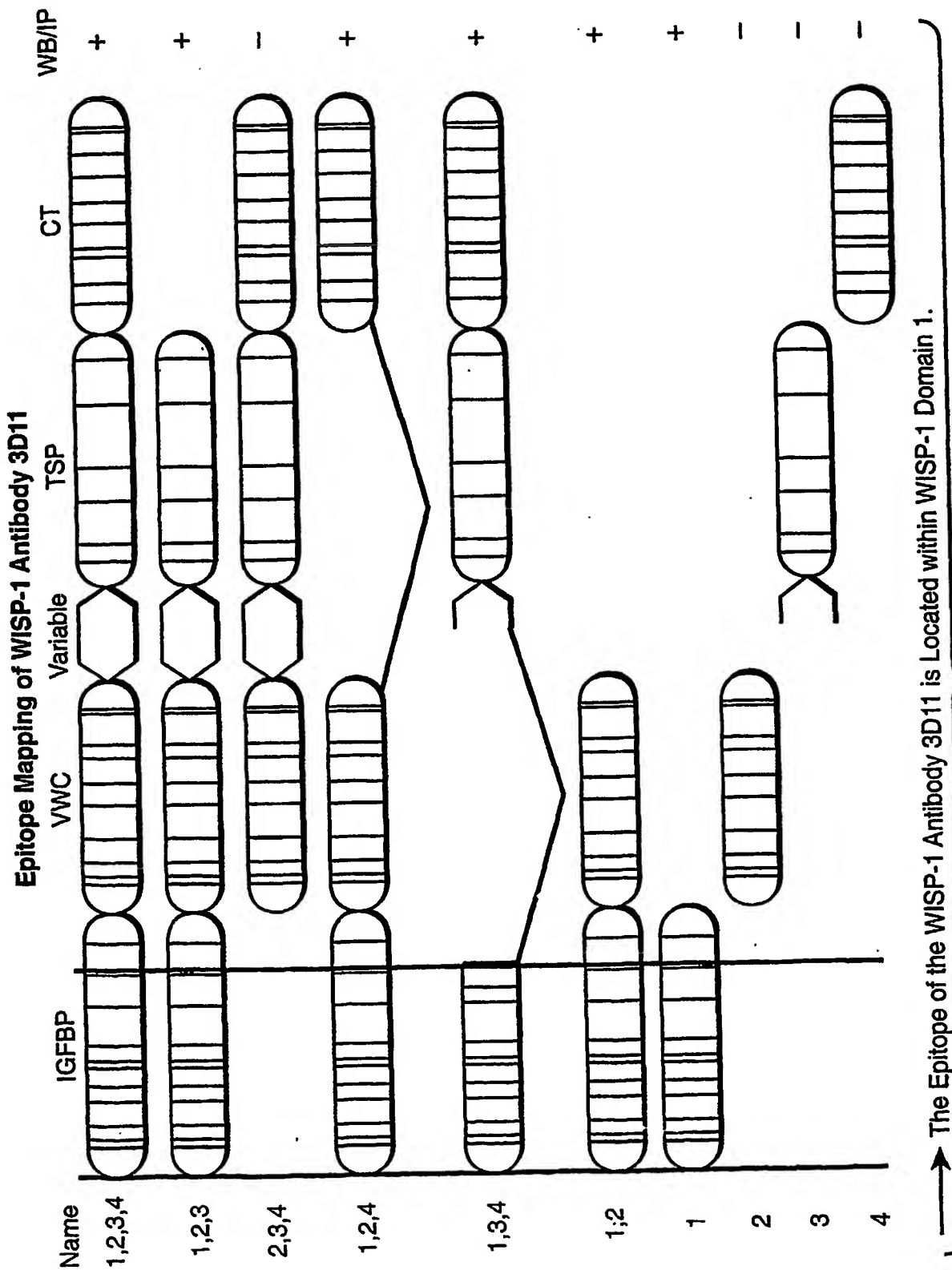
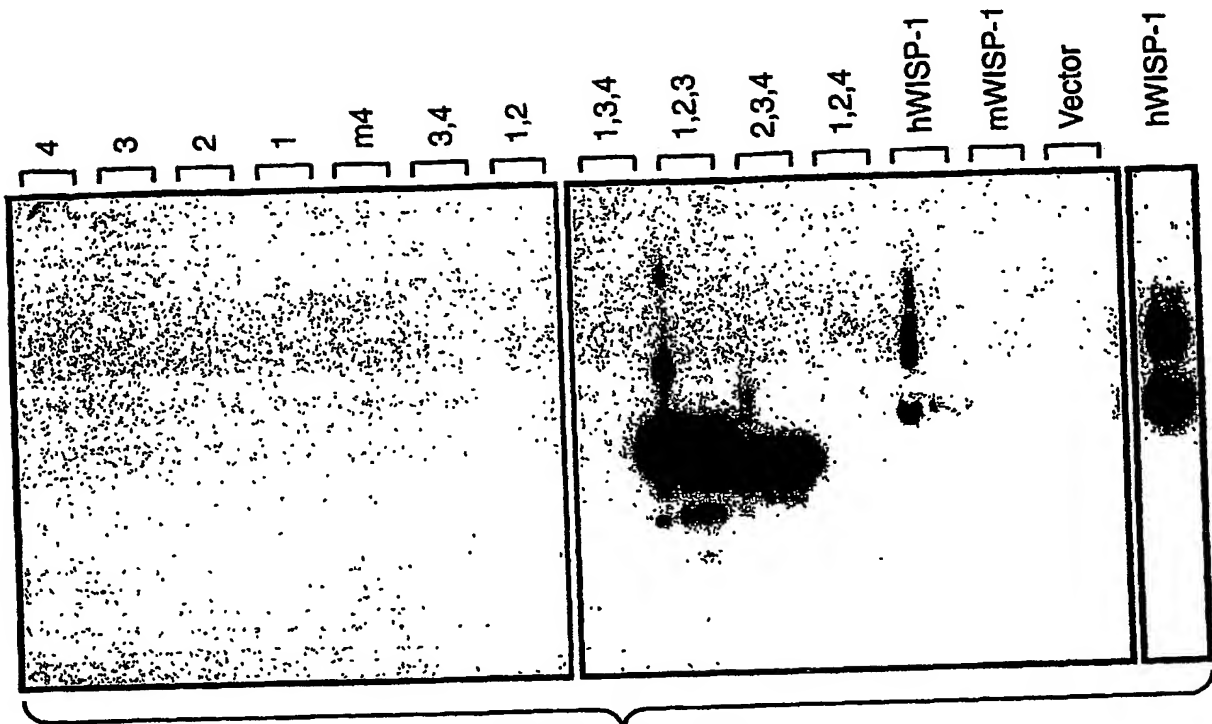
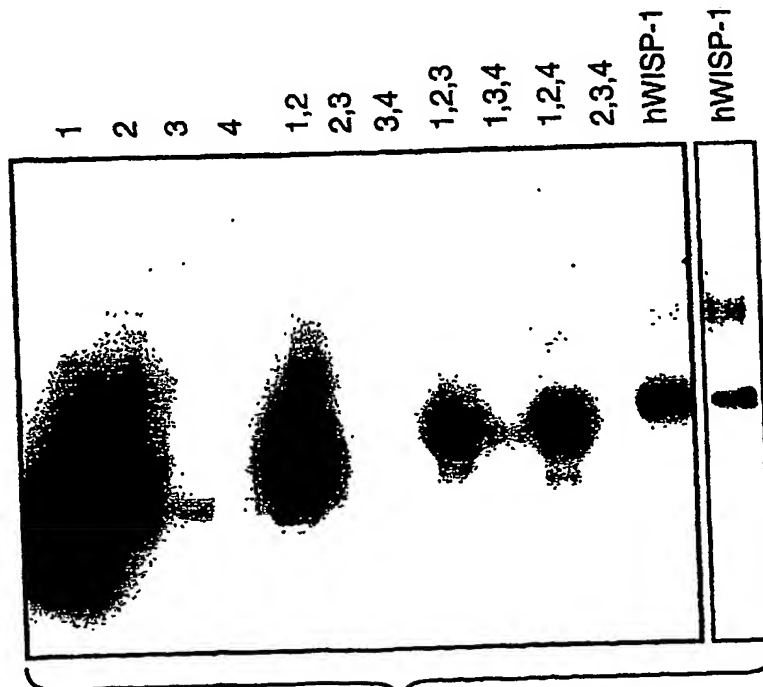
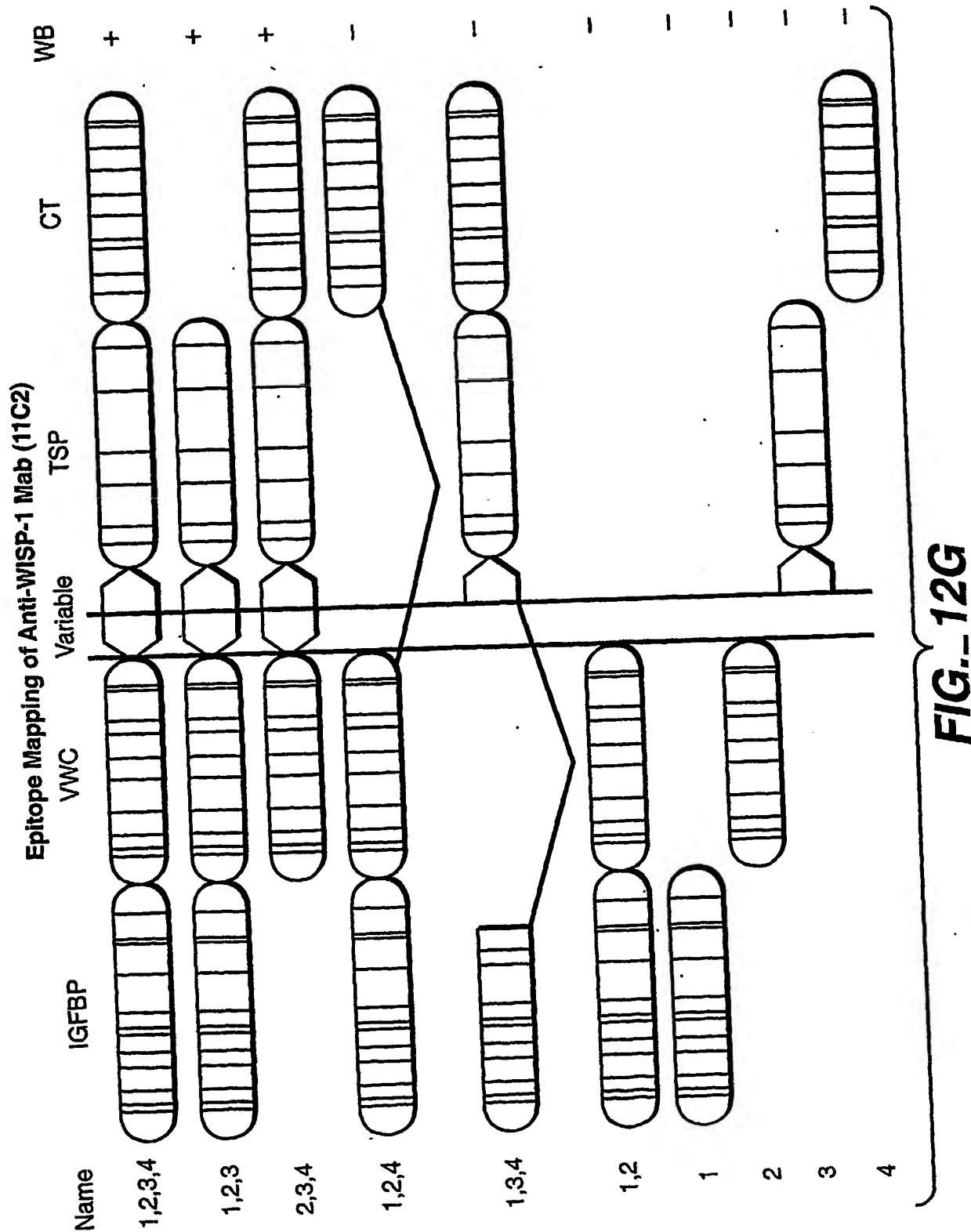


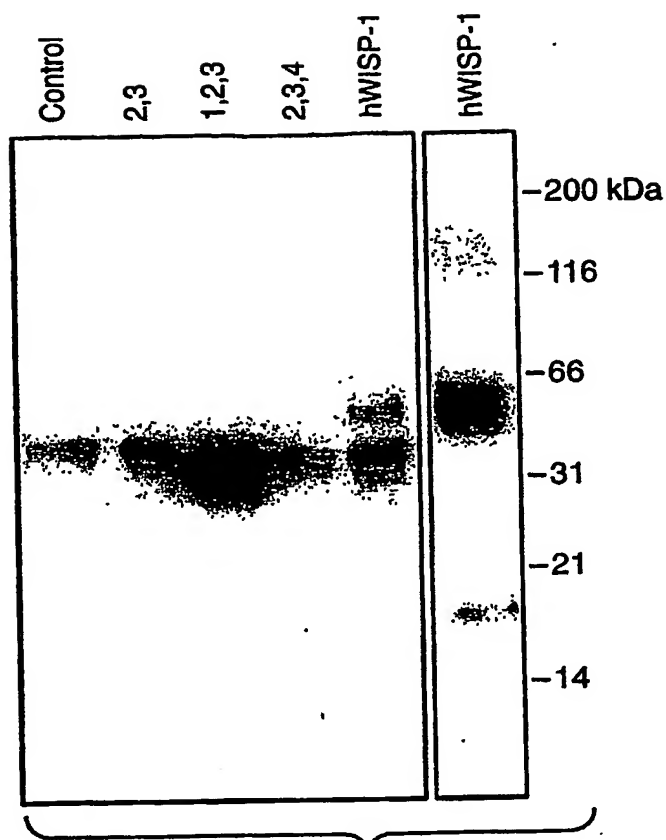
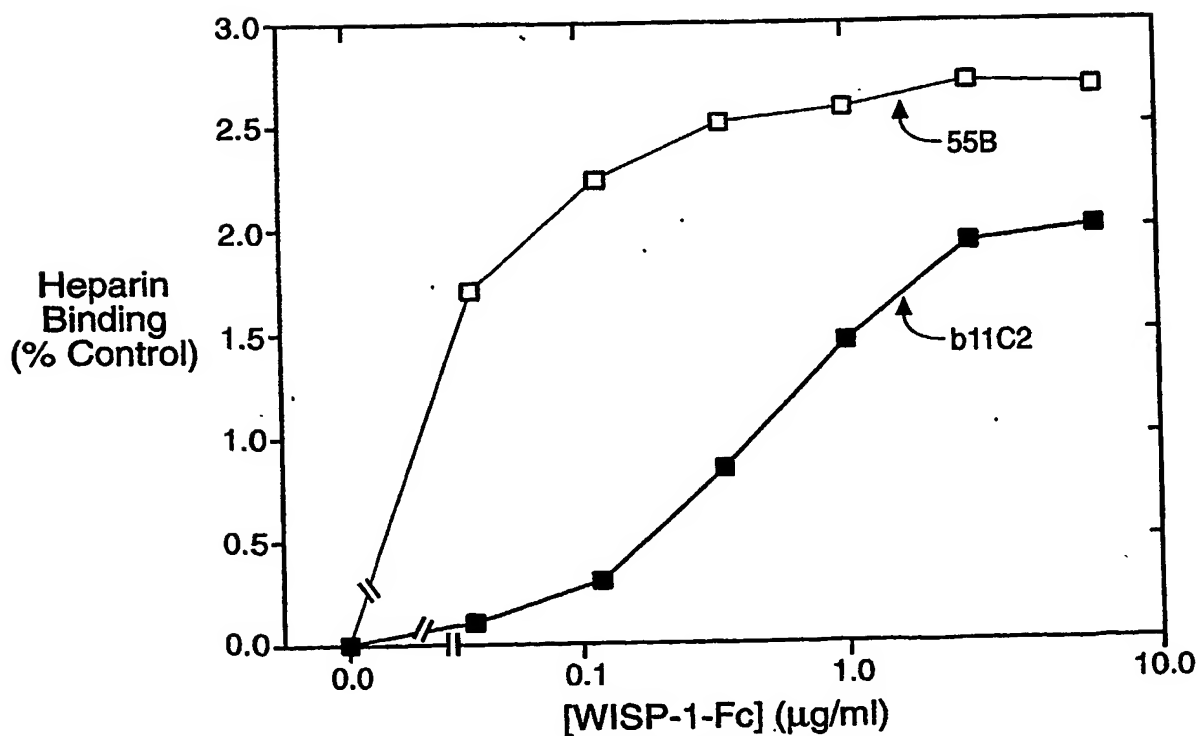
FIG. 12D

19 / 27

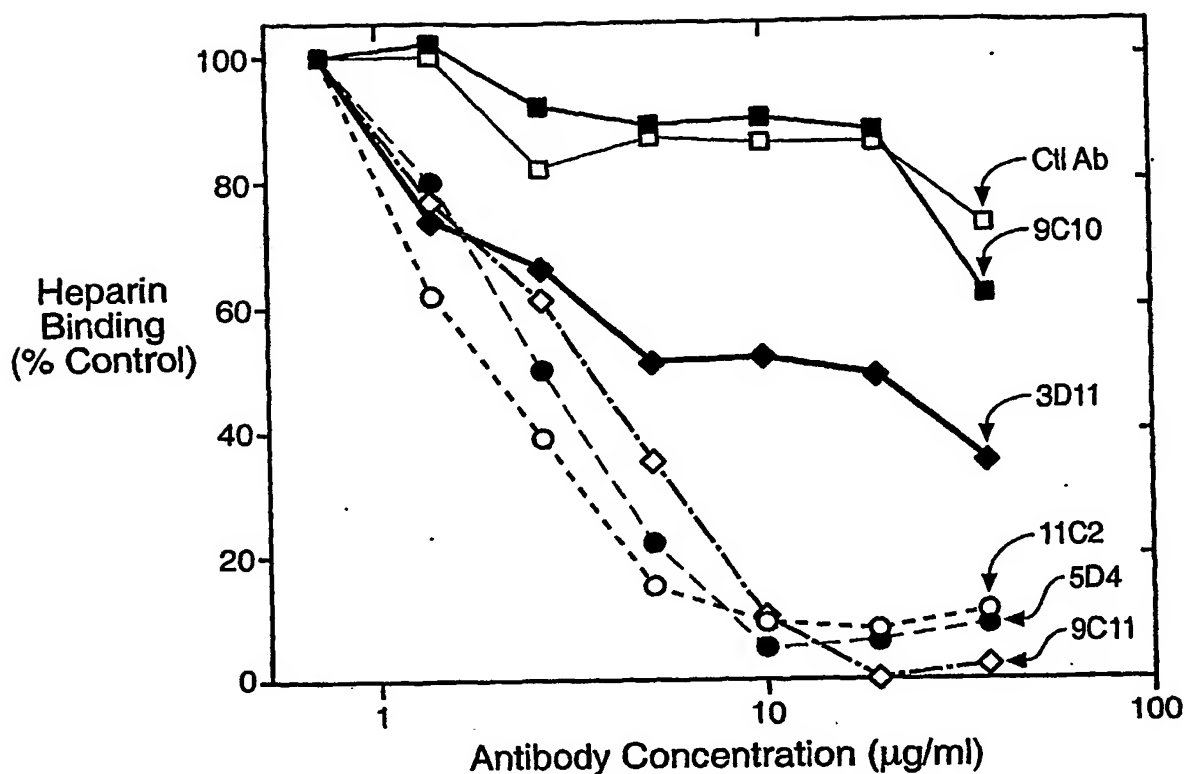
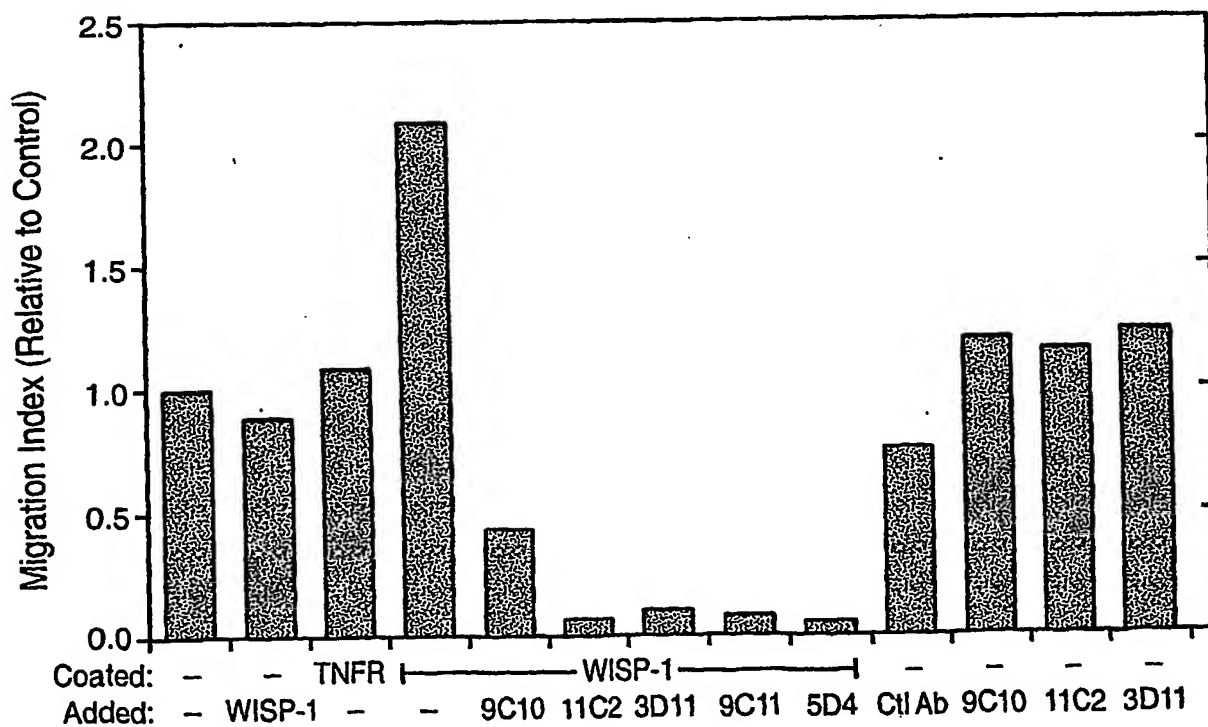
**FIG. 12E****FIG. 12F**



21 / 27

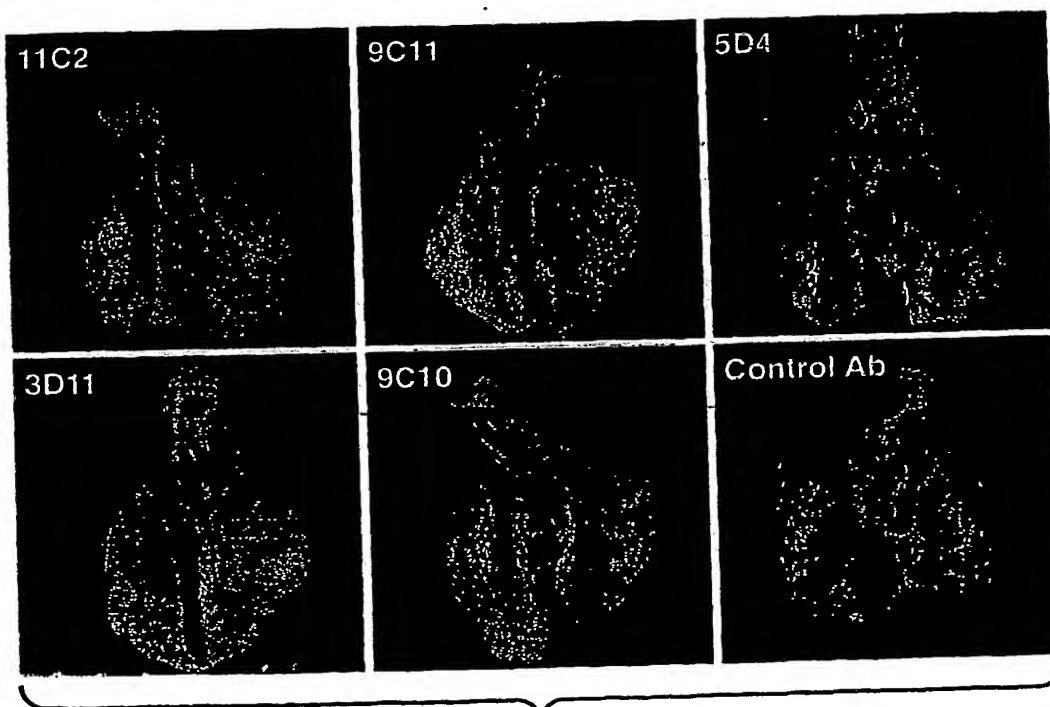
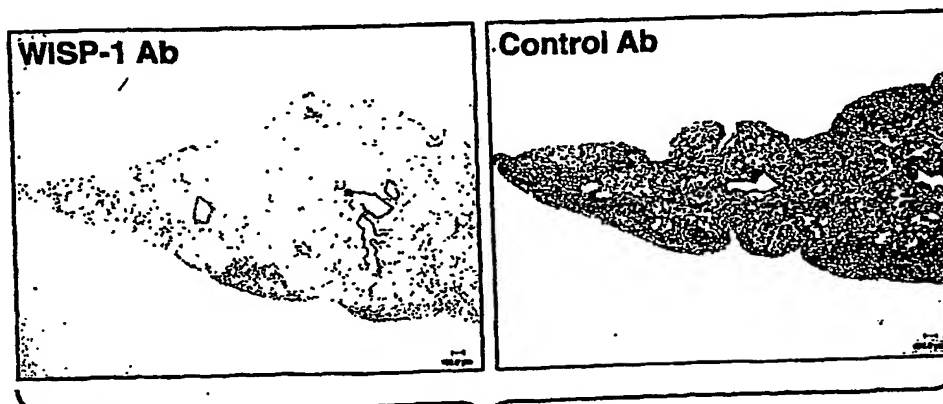
**FIG. 13****FIG. 14**

22 / 27

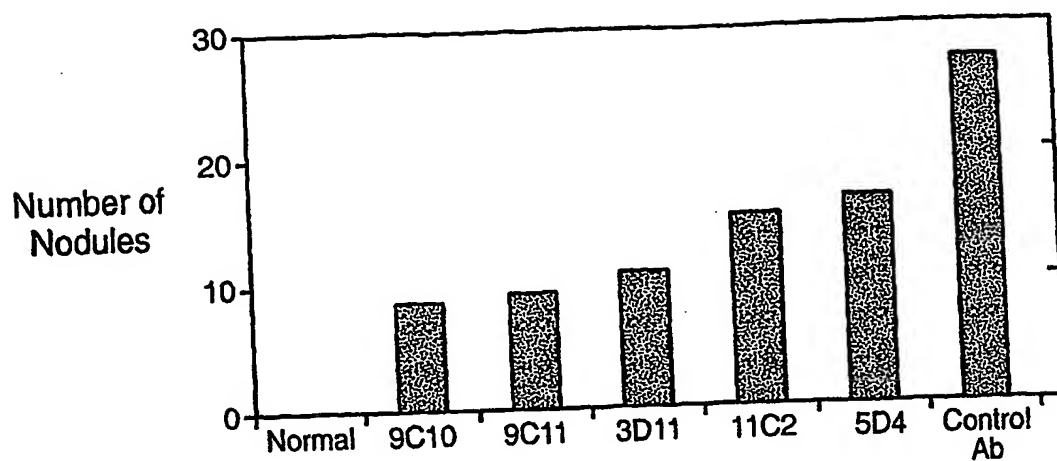
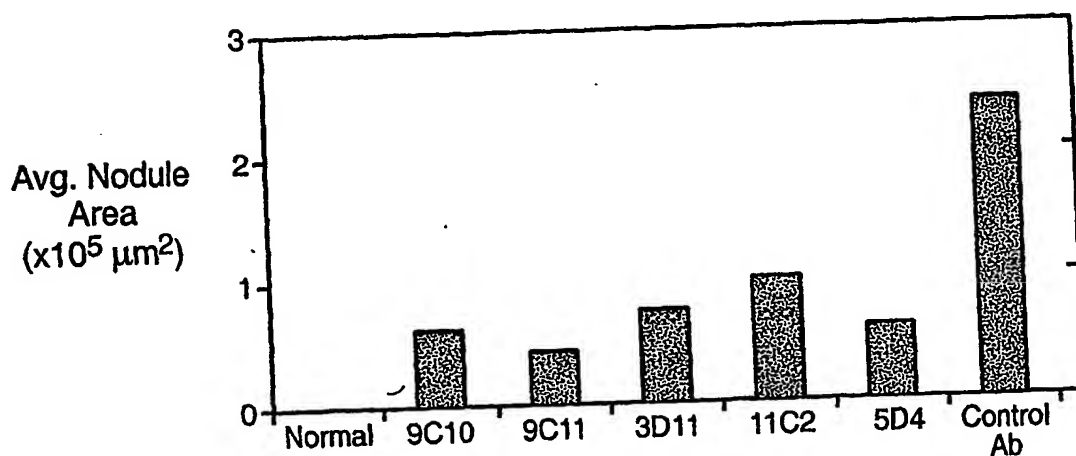
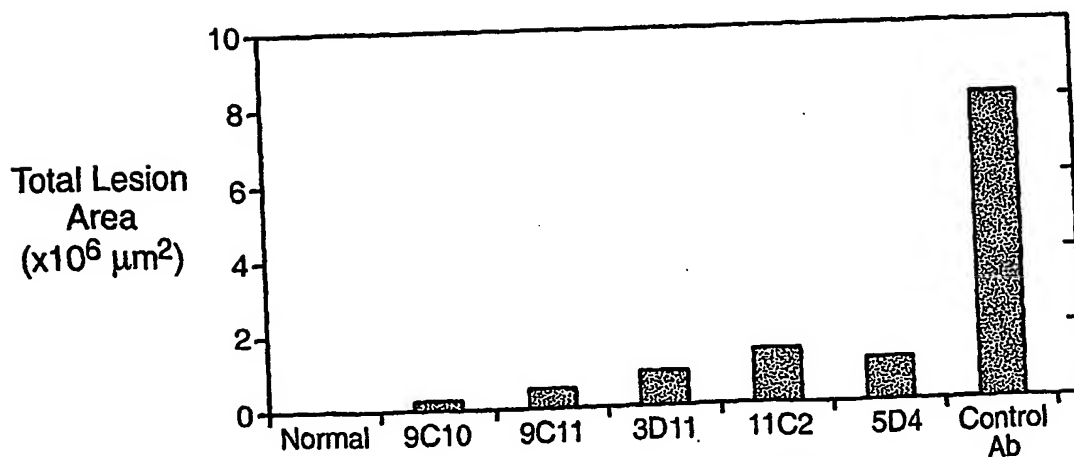
**FIG. 15****FIG. 16A**

23 / 27

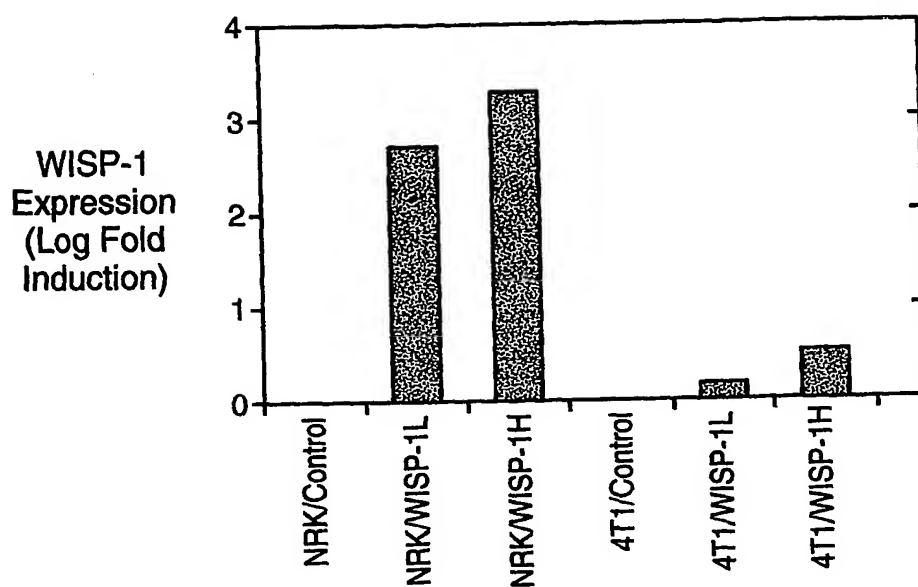
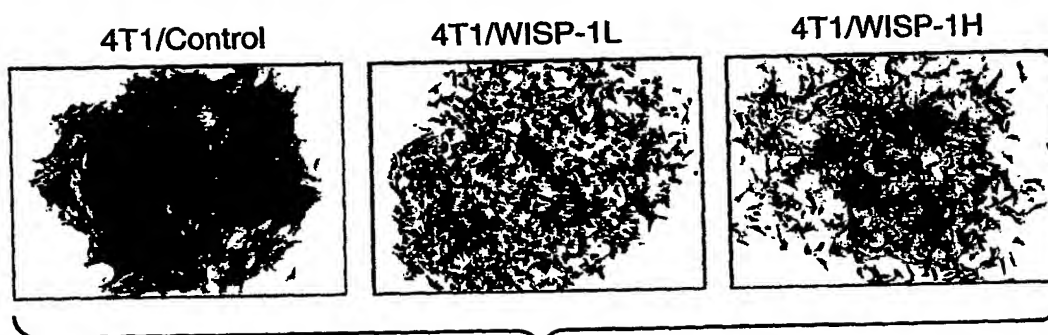
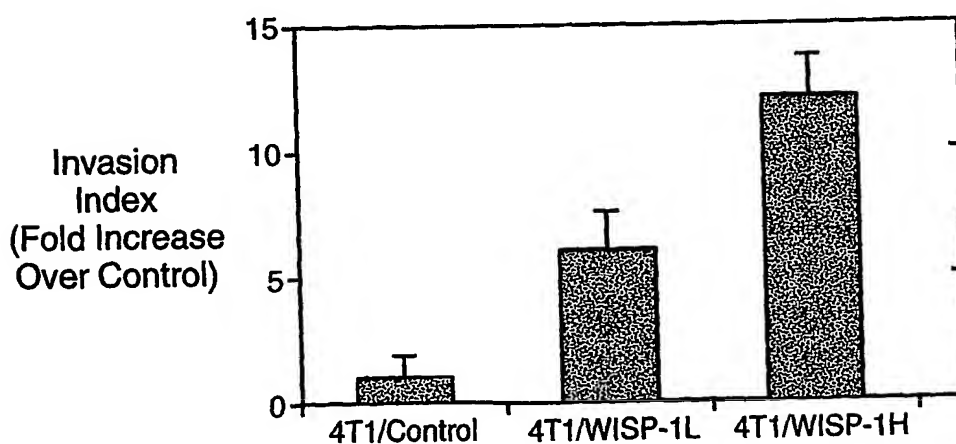
WISP-1 Antibodies Characterization								
Clones	Isotype	Epitope		IP	WB	Blocking Activity		
		Struct.	Cross Compet.			Heparin Binding	Cell Migrat.	Lung Met.
3D11	2b	Domain 1	A	-	+	+/-	+	+
9C10	2b	Domain 1	B	+	-	-	+	+
11C2	2b	Variable Region	C	+	+	+	+	+
5D4	2a	Variable Region	C	+	+	+	+	+
9C11	2a	Variable Region	C	+	+	+	+	+

FIG. 16B**FIG. 17A****FIG. 17B**

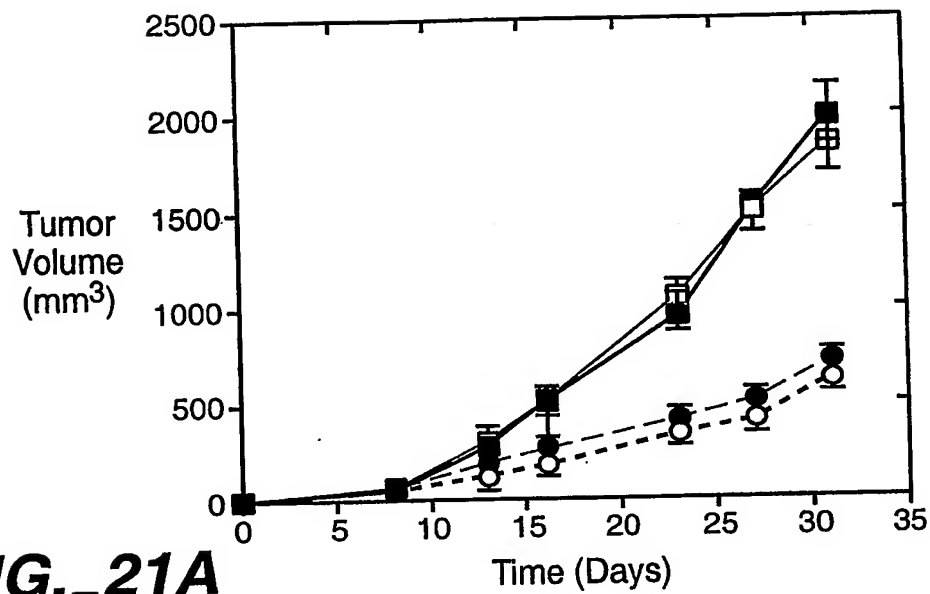
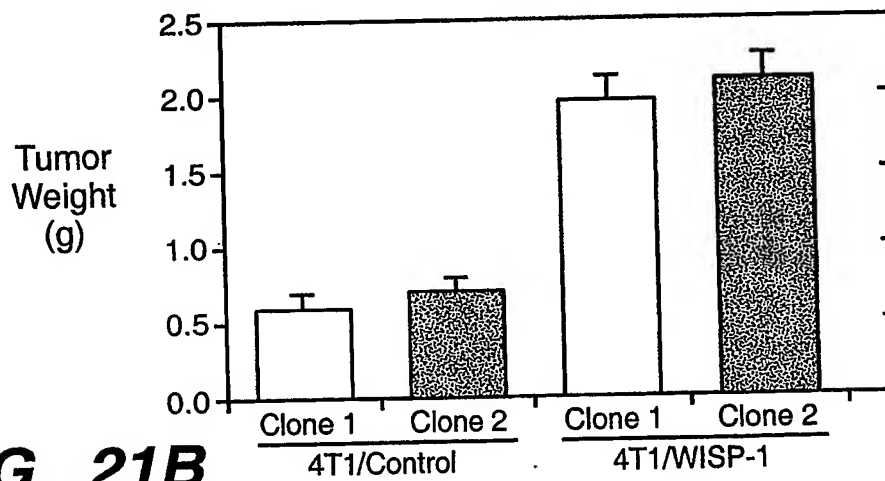
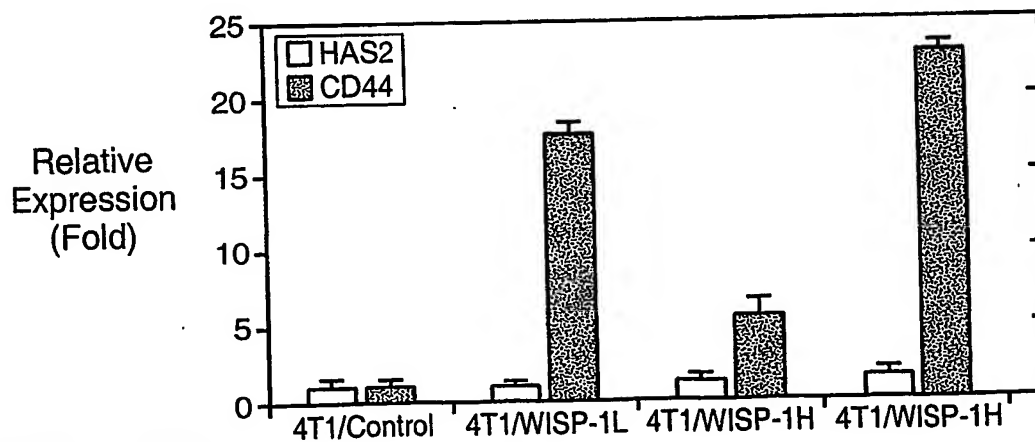
24 / 27

**FIG. 17C****FIG. 17D****FIG. 17E**

25 / 27

**FIG._18****FIG._19****FIG._20**

26 / 27

**FIG. 21A****FIG. 21B****FIG. 22**

27 / 27

FIG._23B



FIG._23D



FIG._23F



FIG._23A



FIG._23C



FIG._23E



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